Photosystem I Reaction Center Subunit II (psaD) Guillardia Theta Recombinant Protein

PRODUCT OVERVIEW

Product Name	Photosystem I reaction center subunit II (psaD), Recombinant Protein
Full Product Name	Recombinant Guillardia theta Photosystem I reaction center subunit II (psaD)
Product Gene Name	psaD recombinant protein
Sequence	MSETLNLQIP SPTFEGSTGG WLRAAETEEK YAITWTSPKE QVFEMPTGGA AIMRKGENLL YLARKEQCLA LGTQVKTSFK ITDYKIYRIF PSGEVQYLHP KDGVFPEKVN PGRIGVGNVS HSIGKNLNPA QIKFTNKSFC D
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	15,687 Da
Sequence Positions	1-141, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for O78502
Species	Guillardia theta (Cryptomonas phi)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for psaD recombinant protein	MBS1255973 is a recombinant protein targeting psaD. Also known as Recombinant Guillardia theta Photosystem I reaction center subunit II (psaD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of psaD recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for psaD. It may not necessarily be applicable to this product.

NCBI GI #	11467707
NCBI GeneID	857065
NCBI Accession #	NP_050759.1
UniProt Primary Accession #	O78502
UniProt Related Accession #	O78502
GenBank Nucleotide #	NC_000926.1
NCBI Official Full Name	photosystem I subunit II (chloroplast)

NCBI Official Symbol	psaD
UniProt Protein Name	Photosystem I reaction center subunit II
UniProt Synonym Protein Names	Photosystem I 16 kDa polypeptide; PSI-D
Protein Family	Photosystem I reaction center
UniProt Gene Name	psaD
UniProt Synonym Gene Names	PSI-D
NCBI Protein Information	PSI ferredoxin-binding protein II
UniProt Comments for psaD	PsaD can form complexes with ferredoxin and ferredoxin-oxidoreductase in photosystem I (PS I) reaction center.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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